

1898.

RIVER TYNE
PORT SANITARY AUTHORITY

ANNUAL REPORT
OF THE
MEDICAL OFFICER OF HEALTH.

NEWCASTLE-ON-TYNE :
J. DOWLING AND SONS, PRINTERS, PILGRIM STREET.

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1898.

River Tyne Port Sanitary Authority.

CONSTITUTED BY LOCAL GOVERNMENT BOARD'S PROVISIONAL ORDER, CONFIRMED BY ACT OF PARLIAMENT
(45 & 46 Vict. ch. lxiv.)

ELECTED BY THE CORPORATION OF NEWCASTLE:

ALDERMAN WILLIAM OWEN.
ALDERMAN THOMAS BURGESS WINTER.
ALDERMAN WILLIAM DAVIES STEPHENS (*Vice-Chairman*).
COUNCILLOR WILLIAM EDWARD KIRBY.
COUNCILLOR GEORGE CHRISTOPHER COATES.
DR. ADAM WILSON.

ELECTED BY THE CORPORATION OF GATESHEAD:

ALDERMAN EDWARD SMITH HINDMARSH.
COUNCILLOR NICHOLAS TEMPERLEY.

ELECTED BY THE CORPORATION OF TYNEMOUTH:

ALDERMAN JOHN FOSTER SPENCE (*Chairman*).
ALDERMAN JOSEPH GREEN.

ELECTED BY THE CORPORATION OF SOUTH SHIELDS:

ALDERMAN THOMAS DUNN MARSHALL.
COUNCILLOR J. R. LAWSON, JUNR.

ELECTED BY THE CORPORATION OF JARROW:

ALDERMAN RICHARD HANDYSIDE.

ELECTED BY THE URBAN DISTRICT COUNCILS OF WALKER,
WALLSEND, AND WILLINGTON QUAY:

COLONEL THOMAS CRAWFORD.

ELECTED BY THE URBAN DISTRICT COUNCILS OF BENWELL,
FENHAM, BLAYDON, NEWBURN, AND WHICKHAM.

REV. ALFRED BARRETT TEBB.

ELECTED BY THE URBAN DISTRICT COUNCILS OF FELLING AND HEBBURN.

THOMAS CLARK MAJOR, Esq.

Officers:

Medical Officer of Health ... WM. EDMUND HARKER, M.D., B.S., B.Hy.
Clerk and Solicitor ... R. SHERITON HOLMES.
Treasurer ... JOHN J. PACE.
Inspector of Nuisances ... CHARLES IRVIN (*Assoc. San. Inst.*)
Assistant Inspectors ... EVANS, RUSSELL, AND MARSH.

Offices: 145, Pilgrim Street, Newcastle-upon-Tyne.

Inspectors's Station: River Tyne Port Sanitary Offices, Mill Dam
South Shields.

River Tyne Port Sanitary Authority.

TYNEMOUTH,

January 25th, 1899.

MR. ALD. JOHN FOSTER SPENCE, J.P.,

CHAIRMAN OF THE RIVER TYNE PORT SANITARY AUTHORITY.

SIR,

I have the honour to present herewith my Annual Report for the year 1898.

Eighteen patients have been under treatment in the Floating Hospital.

The number of vessels inspected by your staff shows a steady increase ; 15,602 vessels have been visited during the year.

I am, Sir,

Your obedient Servant,

W. EDMUND HARKER.

RIVER TYNE PORT SANITARY AUTHORITY.

Report of the Medical Officer of Health for the Year ended 31st December, 1898.

Infectious Disease in the Port.—Patients admitted into the Floating Hospital.

There were 2 cases in the Floating Hospital at the beginning of the year. During 1898, 16 patients have been admitted. The Medical Officer of Health visited the Floating Hospital 122 times during 1898. The subjoined Table gives particulars as to the cases and their issue :—

TABLE I.

Date of Admission.	Disease.	Cases Admitted.	Name of Ship.	Where from.	Result.
Nov. 15, 1897	Typhoid Fever ...	1	s.s. "St. Helens"	Bordeaux ...	Discharged Jan. 20, 1898
Dec. 20, "	Diphtheria ...	1	H.M.S. "Medusa"	Tyne ...	" Jan. 11, "
Jan. 6, 1898	Scarlet Fever ...	1	sch. "Venus"	Ramsgate ...	" Feb. 28, "
" 13, "	Diarrhoea ...	1*	s.s. "Mercure"	Bergen ...	" Jan. 20, "
Feb. 12, "	Smallpox ...	1	s.s. "Bakio"	Bilbao <i>via</i> Middlesbro'	" Mar. 15, "
April 9, "	Smallpox...	2 [†]	s.s. "Trevalgan"	Theodosia <i>via</i> Rotterdam	{ ¹ Apr. 18, " 1 May 27, "
May 9, "	Smallpox	1	bg. "Brodrene Clausen"	Mandal ...	" June 18, "
June 17, "	Malarial Fever ...	1	s.s. "Hardwick Hall"	Antwerp ...	" June 24, "
" 22, "	Syphilis...	1†	s.s. "Ben Ledi"	Huelva ...	" June 23, "
July 19, "	Typhoid Fever ...	2	bk. "Alku"	Mobile ...	" July 26, "
Aug. 22, "	Diarrhoea ...	1*	s.s. "Trapani"	Huelva <i>via</i> Hamburg	" Aug. 27, "
" 26, "	Typhoid Fever ...	1	s.s. "Tunis"	Rotterdam ...	" Nov. 1, "
Oct. 15, "	Typhoid Fever ...	1	sch. "Sussex Maid"	Newhaven ...	Died Oct. 16, 1898
" 15, "	Malarial Fever ...	1	s.s. "Henrietta H."	Mobile ...	Discharged Nov. 18, "
" 16, "	Typhoid Fever ...	1	s.s. "Lady Tennant"	Huelva <i>via</i> Hamburg	Died Oct. 25, 1898
Dec. 6, "	Pneumonia ...	1*	sch. "Mary Annie"	Whitstable ...	Discharged Dec. 16, "
		18			

Removed as suspected cases of Typhoid Fever.

† Removed as suspected case of Smallpox.

‡ One case removed for isolation proved to be non-infectious.

Vessels Boarded by Medical Officer of Health.—41 Vessels have been visited by Medical Officer of Health, on account of reported or suspected sickness on Board.

The following Table gives the List of Vessels boarded during 1898, by the Medical Officer of Health, on account of disease on board during the Voyage, or at the time of arrival in the Tync.

TABLE II.

Date.	Name of Vessel.	Nationality.	Where From.	Nature of Sickness.	REMARKS.
Jan. 6	sch. "Venus" ...	British ...	Ramsgate ...	Scarlet Fever ...	A Seaman was found suffering from Scarlet Fever, and was removed to the Floating Hospital. Vessel and effects of crew disinfectd.
" 8	s.s. "Eturia" ...	Italy ...	Antwerp ...	Septic Tonsillitis ...	A Seaman was suffering from Septic Tonsillitis. Medical treatment recommended.
" 13	s.s. "Mercur" ..	Norway ...	Bergen ...	Diarrhoea ...	A Seaman was removed to the Floating Hospital as a suspicious case of Typhoid Fever.
" 13	ship "Antonin" ..	France ...	Rouen ...	Influenza, Accident ...	Two of the crew were found suffering from Influenza and injuries, the result of an accident, respectively.
" 26	s.s. "Edith" ...	British ...	Antwerp ...	Bronchitis ...	Medical treatment recommended.
Feb. 5	s.s. "Newby" ...	" ...	Lynn ...	Delirium tremens ...	The Patient was removed to the Workhouse Hospital.
" 8	s.s. "Macedonia" ...	Norway ...	Bilbao ...	Influenza ...	The Master was found suffering from Influenza. Medical treatment recommended.
" 12	s.s. "Bakio" ...	Spain ...	Bilbao, <i>via</i> Middlesbro'	Smallpox ...	A Seaman was found suffering from Smallpox, and was removed to the Floating Hospital. The crew were examined from time to time, and 20 of them re-vaccinated. The vessel was thoroughly disinfected, and all clothing and effects of the crew treated in the steam disinfectory.

TABLE II.—Continued.

Date.	Name of Vessel.	Nationality.	Where from.	Nature of Sickness.	REMARKS.
Feb. 24	s.s. "Ganges"	British	Dunkirk	Dysentery	Patient recommended to Royal Infirmary.
" 28	s.s. "James Westoll"	"	Copenhagen	Influenza	Medical treatment recommended.
March 8	ketch "Gloriana"	"	Colchester	Rheumatic Fever	A Sailor was found suffering from Rheumatic Fever, and was removed to the Royal Infirmary.
" 10	s.s. "Fastry"	"	Aarhuus	Bronchitis and Influenza	Three Sailors found suffering from Bronchitis and Influenza. Medical treatment recommended.
" 17	s.s. "Duesto"	Spain	Bilbao	Septic Tonsilitis	Chief Engineer was suffering from Tonsilitis. Medical treatment recommended.
" 21	s.s. "Albia"	"	Hartlepool	Tonsilitis	Medical treatment recommended.
" 21	s.s. "Barana"	British	Havre	Malaria	Medical treatment recommended.
April 4	s.s. "Matura"	"	Bremerhaven	Phthisis	Medical treatment recommended.
" 8	s.s. "Cleveland"	"	Hamburg	Injury to Skull	Patient removed to Hospital.
" 9	s.s. "Trevulgan"	"	Theodosia	Smallpox	Two Seamen were removed to the Floating Hospital for isolation. One man developed confluent Smallpox, the other case proved non-infectious. The crew were examined, and 11 re-vaccinated. The vessel was thoroughly disinfected.
" 10	sch. "Rachel"	French	St. Valary	Anthrax	The master of this vessel died in the Tyne-mouth Infirmary from Anthrax. The crew were examined, and the vessel disinfected.
" 11	s.s. "Oilfield"	British	Rouen	Pneumonia	A sailor was found suffering from pneumonia, and was recommended to hospital.
" 15	ship "Benj. Baugs"	Norway	Mobile	Malaria	Medical treatment recommended.

TABLE II. — *Continued.*

Date.	Name of Vessel.	Nationality.	Where from.	Nature of Sickness.	REMARKS.
April 20	s.s. "Belgian King"	British ...	Baltimore ...	Malaria ...	Removed to Royal Infirmary.
May 9	bg. "Brodrene Clausen"	Norway ...	Mandal ...	Smallpox ...	The Mate was removed to the Floating Hospital. The crew were re-vaccinated and the vessel disinfected. Medical treatment recommended.
" 17	s.s. "Paul Andrejeff"	Denmark	Granton ...	Influenza ...	Patient recommended to Royal Infirmary.
" 20	s.s. "Ariadne Alexandria"	British ...	Hamburg ...	Diabetès ...	Patient was sent to Royal Infirmary.
" 30	s.s. "Turret Cape"	" ...	Quebec ...	Heart Disease and Dropsy ...	The Patient, a Lascar, was admitted into the Floating Hospital.
June 14	s.s. "Hardwick Hall"	" ...	Antwerp ...	Malarial Fever ...	The Patient was sent to the Royal Infirmary.
" 15	s.s. "Hazeldene" ...	" ...	Rotterdam ...	Ague ...	A Seaman was removed to the Floating Hospital for observation. Three men were landed from this vessel at Huelva suffering from Smallpox. The vessel was thoroughly disinfected in this Port.
" 22	s.s. "Ben Ledl" ...	" ..	Huelva ...	Smallpox ...	The crew were examined, and 11 re-vaccinated.
July 19	bk. "Alku" ...	Russia ...	Mobile ...	Typhoid Fever ...	Two Seamen were removed to the Floating Hospital suffering from Typhoid Fever. The vessel was disinfected, and the fresh water tanks cleansed and re-filled.
Aug. 15	s.s. "Beacon Light"	British ...	Gothenburg	Typhoid Fever ...	The Third Engineer was found recovering from Typhoid Fever, and was sent to his home under the care of his medical attendant.

TABLE II.—Continued.

Date.	Name of Vessel.	Nationality.	Where from.	Nature of Sickness.	REMARKS.
Aug. 21	s.s. "Trapani"	German ...	Hamburg ...	Gastritis ...	A Seaman was removed to the Floating Hospital as a suspected case of Typhoid Fever.
" 26	s.s. "Tunis"	British ...	Rotterdam ...	Typhoid Fever ...	A Seaman was found suffering from Typhoid Fever, and was removed to the Floating Hospital. The vessel was disinfected, and the fresh water tanks cleansed and re-filled.
Oct. 15	s.s. "Henrietta H."	" ...	Mobile ...	Malarial Fever ...	A Seaman was removed to the Floating Hospital. The fresh water tanks of this vessel were cleansed and re-filled.
" 15	sch. "Sussex Maid"	" ...	Newhaven ...	Typhoid Fever ...	A Seaman was found suffering from Typhoid Fever, and in a moribund condition. He developed the disease on leaving Newhaven. The vessel was twelve days at sea during the severe storm. The Patient was admitted into the Floating Hospital, but only survived a few hours. The vessel was disinfected, and the fresh water tanks cleansed and re-filled.
" 16	s.s. "Lady Tennant"	" ...	Huelva ...	Typhoid Fever ...	A Sailor was found suffering from Typhoid Fever, and was removed to the Floating Hospital. The vessel was disinfected, and the fresh water tanks cleansed and re-filled.
" 21	sch. "Venus"	" ...	Ramsgate ...	Influenza ...	Medical treatment recommended.

TABLE II.—*Continued.*

Date.	Name of Vessel.	Nationality.	Where from.	Nature of sickness.	REMARKS
Oct. 21	s.s. "Devona" ...	British	Montreal <i>via</i> London	Typhoid Fever ...	A case of Typhoid Fever had been lauded a few days previous in the Port of London. The vessel was disinfected, and the fresh water tanks cleansed and re-filled in this Port.
" 22	s.s. "Blanchland" ...	"	Kima ...	Rheumatism ...	Medical treatment recommended.
Nov. 19	s.s. "Beltisloc" ...	"	Wilmington <i>via</i> Bremer- haven	Malarial Fever ...	On examining the crew of this vessel, seven men were found recovering from the effects of Malaria. The fresh water tanks were cleansed and re-filled.
Dec 6	sch. "Mary Annie"	"	Folkstone ...	Pneumonia ...	The cabin boy was found with symptoms of Typhoid Fever, and was removed to the Floating Hospital.

SMALLPOX AND SUSPECTED SMALLPOX.

Date of Arrival.	Name of Ship.	From	On Voyage.	On or after Arrival.	Remarks.	Notes on Arrival in Tyne.
1898. Feb. 12	s.s. "Bakio" ...	Bilbao, Middlesbro' ...	..	1	Removed to Floating Hospital ...	Vessel and crews' effects disinfected, and crew vaccinated.
April 9	s.s. "Trevalgan" ...	Theodosia, Rotterdam	1	2	Removed to Floating Hospital ...	do. do.
May 10	bg. "Brodrene Clausen"	Laurvig. ...	...	1	Removed to Floating Hospital ...	do. do.
June 22	s.s. "Ben Ledi" ...	Huelva ...	3	*1	One suspected case removed to Floating Hospital ...	do. do.
		Total ..	4	5		

* Case proved to be non-infectious.

DIARRHOEA, CHOLERAIC DIARRHOEA, AND SUSPICIOUS CASES.

Date of Arrival.		Name of Ship.	From	No. of Cases.	
				On Voyage.	On or after Arrival.
1898.					
Jan.	7	s.s. "Indra"	Calcutta, Dundee ..	3	1*
"	12	s.s. "Mercur"	Bergen		
"	22	s.s. "George Heaton" ...	Odessa, Aarhus ...	1	
"	23	e.s. "Straits of Magellan"	Baltimore, Aalborg ...	2	
"	26	s.s. "Lady Grey"	Nicolaiff, Antwerp ...	2	
Feb.	19	s.s. "Lorenzo"	New York, Hull ...	2	
Mar.	10	s.s. "Ariadne Alexandra"	Buenos Ayres, London...	2	
"	28	s.s. "Mexican Prince" ...	Buenos Ayres, Antwerp	2	
April	11	s.s. "Alpha"	Baltimore, Denmark ...	1	
"	15	s.s. "Ribston"	River Plate, Hull ...	2	
May	2	"C. H. Watjen"	Savannah, Hamburg ...	5	
June	13	s.s. "Jordan"	Sulina, Dunkirk ...	1	
"	14	s.s. "Cyril"	Baltimore	1	
"	16	s.s. "Southgarth"	Brazil, Dublin	2	
July	5	s.s. "Grecian Prince" ...	River Plate, Havre ...	2	
"	5	"Jupiter"	Lobos Is., Falmouth ...	2	
"	8	s.s. "Knight Errant" ...	Bombay, Hamburg ...	1	
"	13	s.s. "Castlemoor"	Baltimore, Rotterdam ...	2	
"	19	s.s. "Lingfield"	Garrucha, Antwerp ...	4	
"	19	"Cresswell"	Tocapilla, Aberdeen ..	2	
"	19	s.s. "Liguria P."	Buenos Ayres, Sharpness	4	
"	23	s.s. "Hathor"	River Plate, Antwerp ..	2	
Aug.	15	s.s. "Beacon Light" ...	Philadelphia, Goteborg	4	
Sept.	15	s.s. "Kudistan"	Kurrachee, Antwerp ...	2	
"	23	s.s. "Trunkby"	Nicolaiff, Antwerp ...	3	
Nov.	16	s.s. "Winthorpe"	Baltic, Antwerp	2	
Dec.	6	s.s. "Ashfield"	Charleston, Bremen ...	2	
Total ...				58	1

* Removed to Floating Hospital.

ENTERIC (OR TYPHOID) FEVER.

Date of Arrival.	Name of Ship.	From	No. of Cases.		Remarks.	Notes on Arrival in Tyne
			On Voyage.	On or after Arrival.		
Mar. 8	s.s. "Ganges"	River Plate, Dunkirk	1	2	Developed after arrival	Removed to Walker Gate Hospital, and ship disinfected.
May 4	"Henry"	Whitstable...				Ship disinfected.
July 19	"Alku"	Mobile, Gothenborg		2	Removed to Floating Hospital	Do.
Aug. 15	s.s. "Beacon Light"	Philadelphia		1	Isolated at home	Do.
" 21	s.s. "Trapani"	Huelva, Hamburg...		1	Removed to Floating Hospital	Do.
" 26	s.s. "Tunis"	Rotterdam...		1	Removed to Floating Hospital	Do.
Sept. 20	s.s. "Umlibo"	Port Said	1		Fatal ...	
Oct. 10	s.s. "Erasmus Wilson"	London	1		Fatal, at London	Do
" 15	"Sussex Maid"	Newhaven		1	Fatal. Removed to Floating Hospital	Do.
" 16	s.s. "Lady Tennant"	Hamburg		1	Fatal. Removed to Floating Hospital	Do.
" 21	s.s. "Devona"	Montreal, London	1		Landed at London	Do.
Dec. 6	"Mary Annie"	Folkstone		*1	Suspected case. Removed to Floating Hospital	Do.
Total			4	10		

* Case proved to be pneumonia.

SCARLET FEVER.

1898.						
Jan. 6	s.s. "Venus"	Ramsgate		1	Removed to Floating Hospital	Ship disinfected throughout

MALARIAL FEVER.

14

Date of Arrival.	Name of Ship.	From	No. of Cases.		Remarks.
			Voyage.	Arrival.	
1898.					
Mar. 21	s.s. "Banana"	Havre	...	1	
May 23	" "Almendral"	Chili, Glasgow	2		
June 7	s.s. "Dalmally"	Mobile, Bremerhaven	1		
" 8	" "Samarland"	Caleta Buena	1		Fatal.
" 13	s.s. "Hardwick Hall"	New York, Antwerp	...	3	One case removed to Floating Hospital.
Oct. 10	s.s. "Highland Prince"	New Orleans, Havre	5		
" 15	s.s. "Henrietta H."	Mobile	6		One fatal, and one removed to Floating Hospital
" 22	s.s. "Spanish Prince"	New Orleans, Havre	5		
Nov. 18	s.s. "Beltisloe"	Wilmingtion, Bremen	...	7	
Jan. 15	s.s. "Hornby Grange"	River Plate, Hull	3		
26	s.s. "Undaunted"	Savannah, Bremen	3		
" 12	" "Lenita"	Ecuador, Hamburg	3		
Feb. 14	s.s. "St. Vincent"	Benisaf	1		
Mar. 28	s.s. "Mexican Prince"	Buenos Ayres, Antwerp	1		
" 15	" "Benj Bangs"	Mobile	...	1	
Apr. 20	s.s. "Belgian King"	Baltimore, Rotterdam	...	1	Removed to Newcastle Infirmary.
" 2	" "C. H. Watjen"	Savannah, Hamburg	3		
May 15	s.s. "Spheroid"	Barbadoes, London	2		
June 2	s.s. "Hazeldene"	Rotterdam	...	1	
" 15	s.s. "Ramilles"	Buenos Ayres, Antwerp	3		
July 19	s.s. "Liguria P."	Buenos Ayres, Sharpness	2		
" 19	s.s. "Hathor"	River Plate, Antwerp	2		
" 23	s.s. "Kurdistan"	Kurrachee, Antwerp	2		
Sept. 15	s.s. "Harperly"	Buenos Ayres, Dunkirk	2		
" 23	s.s. "Prima"	Havre	1		
Dec. 13	s.s. "Cairngowan"	African Coast, Bremen	...	1	
" 19	s.s. "Cairngowan"	African Coast, Bremen	...	1	
			48	16	

DYSENTERY.

Date of Arrival.	Name of Ship.	From	No. o Cases.	
			On Voyage.	On or after Voyage.
1898.				
Feb. 24	s.s. "Ganges" ...	Loudon, Duunkirk ...		1
June 29	s.s. "Lock Tay" ...	Calentta, Hull ...	2	
July 19	s.s. "Ranilles" ...	Buenos Ayres, Antwerp	2	
Nov. 18	s.s. "Thorutoudale"	Odessa, Skeiu ...	1	
Dec. 7	s.s. "Easingwold" ...	Odessa, Bergen...	1	
		Total ...	6	1

YELLOW FEVER.

Date of Arrival.	Name of Ship.	From	No. of Cases.	
			On Voyage.	Remarks.
1898.				
June 10	s.s. "Southgarth" ...	Brazils, Dublin...	3	
July 24	s.s. "Winnie" ...	Santos, Rotterdam ...	2	One fatal
" 28	"Gazelle" ...	Buenos Ayres ...	4	One fatal
Dec. 8	"Edderside" ...	Rio Janeiro, Iquique ...	1	Fatal, at Rio.
		Total ...	10	

INFLUENZA

43 Cases reported on voyage and on arrival.

GENERAL SICKNESS ON BOARD

The subjoined Table gives a return of cases of Sickness * reported by Masters
notice of the Tyne Port Officials,

TABLE

Date. 1898.	Smallpox, or Suspected Smallpox.	Scarlet Fever.	Yellow Fever.	Influenza.	Enteric Fever.	Diarrhoea, or Choleraic Diarrhoea.	Dysentery.	Malarial Fever.	Inflammation.	Boils.	Blood Poisoning.	Syphilis.	Venereal Disease.	Consumption.	Heart Disease.	Rheumatism.
January ...	o 1	...	...	7	...	o 9	...	6	...	4	...	2	5	1	...	4
February...	o 1	...	...	1	...	2	1	3	...	...	1	...	2	...	...	...
March ...	...	...	...	5	1	4	...	3	...	3	...	...	2	1	...	6
April ...	oox 3	...	...	6	...	3	...	2	...	1	2	...	...	1	xx 2	1
May ...	o 1	...	...	3	2	5	...	5	...	...	...	1	...	xx 2	...	3
June ..	o 4	...	3	8	...	4	2	ox 8	...	...	...	5	9	1	1	7
July ...	...	...	xx 6	...	oo 2	19	2	7	...	6	4	2	4	...	x 1	18
August ...	...	...	...	...	oo 3	4	...	...	...	2	1	...	...	...	...	2
September ...	...	...	...	4	x 1	5	...	4	1	1	2	4	2	...	...	6
October ...	...	...	...	1	xxx oo 4	...	...	oo 17	...	1	1	...	...	...	1	6
November ...	...	...	...	5	...	2	1	7	...	...	1	3	3	...	x 1	2
December ...	...	...	x 1	3	o 1	2	1	2	...	...	2	...	3	...	x 1	5
	9	1	10	43	14	59	7	64	1	18	14	17	30	6	7	60

* The names of the Diseases occurring during Voyage are given as reported by the Masters of the

VESSELS ARRIVING IN TYNE PORT.

of Vessels as having occurred during the Voyage, or coming under the in each month of the year 1898.

IV.

Neuralgia.	Lumbago.	Cold.	Pneumonia.	Pleurisy.	Bronchitis.	Tonsillitis.	Cramp.	Indigestion.	Intemperance.	Beri-Beri.	Debility.	Rupture.	Accidents.	Ill-defined.	Colic.	Anthrax.	TOTALS.
1	..	7	...	1	1	2	8	1	4	2	...	...	xxxxx 14	1	...	...	81
1	...	4	1	...	...	1	...	2	1	...	...	x 1	4	...	...	...	26
1	4	3	...	1	1	2	2	...	...	...	...	...	x 8	2	...	...	49
1	1	2	xx 4	...	...	...	2	...	...	...	1	...	5	...	...	x 1	38
1	2	...	...	2	1	...	3	...	5	.	...	...	xxx 9	1	...	..	46
...	...	8	2	...	..	...	...	...	7	...	1	...	x 7	...	2	...	79
...	...	7	1	2	..	...	...	...	5	...	1	...	x 6	...	3	...	96
...	...	...	...	...	1	1	1	...	...	...	...	...	xx 8	1	2	...	26
...	...	2	1	..	...	...	2	3	...	...	...	1	x 5	...	2	...	46
1	1	2	...	.	...	...	...	1	...	...	...	...	xx 12	x 1	1	...	50
...	..	6	...	...	...	1	...	...	...	..	3	1	3	2	1	...	42
...	...	5	x 2	...	5	..	...	1	...	...	...	...	6	...	...	...	40
6	8	46	11	6	5	7	18	8	22	2	6	3	87	8	11	1	619

Vessels.

x Deaths.

o Removed to Tyne Floating Hospital.

Vessels Arriving from Infected or Suspected Ports*.

The following return shows the number of vessels boarded in this Port by the Officers of the Port Sanitary Authority, on account of coming directly or otherwise from Foreign Ports infected, or suspected to be infected, with Cholera, Yellow Fever, Plague, or Smallpox :—

MONTHS.	From Infected Ports.		From Suspected Ports.		TOTALS.
	Direct to the Tyne.	To the Tyne Indirectly.	Direct to the Tyne.	To the Tyne Indirectly.	
	No. of Vessels.	No. of Vessels.	No. of Vessels.	No. of Vessels.	
January ...	28	41	24	32	125
February ...	63	31	17	17	128
March ...	91	51	15	25	182
April ...	60	45	28	29	162
May ...	64	42	10	22	138
June ...	20	45	18	34	117
July ...	45	29	38	23	135
August ...	31	32	25	22	110
September ...	25	27	17	19	88
October ...	21	16	22	19	78
November ...	33	28	28	19	108
December ...	23	29	22	12	86
Total ..	504	416	264	273	1,457

* See opposite page.

Vessels arriving in the Tyne from infected ports were boarded by the Officers of the Tyne Port Sanitary Authority, as under :—

NAME OF PORTS.	Direct to the Tyne.	To the Tyne indirectly.	NAME OF PORTS.	Direct to the Tyne.	To the Tyne indirectly.
			<i>Brought forward</i> ...	64	121
† Alexandria	18		* Rouen	51	10
† Rio Janeiro	1		§ St. Petersburg ...	16	17
† Santos	1		* Marseilles ... ..	...	5
† New Orleans	26		* Oran	1	7
† Rcsario	3	2	* Valencia	17	16
† Buenos Ayres	2	13	* Aquilas ... ..	..	6
† River Plate	1	16	* Carthagena	3	18
o Calcutta	18		* Bilbao	204	198
o Rangoon	4		* Almeria	6	11
o Bombay	3		* Tripoli	6	2
* Garrucha	22	15	* Algiers ... ..	...	5
* Benisaf	36	4	* Middlesbrough ...	136	...
<i>Carried forward</i> ...	64	121	Totals ...	504	416

† Ports infected with Cholera.

‡ " " Yellow Fever.
 § " " Enteric Fever.
 o " " Plague.
 * " " Smallpox.

Emigrants.

Emigrant vessels coming to the Tyne have, as heretofore, been visited by the Inspectors on arrival, and kept under supervision whilst in port.

Information as to Emigrants debarking here and proceeding overland to other British Ports, continues to be forwarded to the Medical Officers of Health of the respective Ports.

The number of Emigrants passing through the Tyne Port during 1898, so far as is known, was as follows:—

	No. of Emigrants.
For America by White Star Line from Liverpool ...	176
„ „ „ Cunard Line „ „ ...	165
„ „ „ American Line „ „ ...	37
„ „ „ Beaver Line „ „ ...	22
„ „ „ Allan Line „ „ ...	33
„ „ „ Anchor Line from Glasgow ...	30
„ „ „ Dominion Line from Liverpool ...	22
	<hr/>
	485
	<hr/>

General Sanitary Work.

The following is the report of inspections made and other work done by Inspector Irvin and his assistants:—

Vessels inspected during the year 1898—

British Steamers	9,319
„ Sailing Vessels	996
„ Fishing „	2,764
Foreign Steamers	1,915
„ Sailing Vessels	608
	<hr/>
Total	15,602
Extra Visits paid	356
Visits to Water Boats	42
„ Gangways	43*
	<hr/>
Total Number of Visits	16,043
	<hr/>

* The Gangways of the Tyne General Ferry Company, extending from the Fish Quay, North Shields, to Elswick, have been inspected twice, and were found in good condition.

The Nationalities of the Vessels were as follows :—

British	...	...	...	...	...	13,079
Danish	...	...	...	...	...	343
Norwegian	...	...	...	...	...	874
German	...	...	...	...	...	458
Swedish	..	...	...	...	..	262
French	...	...	...	...	...	186
Spanish	...	...	...	...	...	167
Russian	...	...	...	...	...	71
Greek	...	...	...	...	...	7
Italian	...	...	...	...	...	12
Dutch	...	...	...	...	...	118
Austrian	...	...	...	...	...	10
Belgian	..	...	...	...	...	11
Portugal	...	...	...	...	...	1
Chili	...	...	...	...	...	3
Total						<u>15,602</u>

Of the above vessels, the Sanitary condition was as follows :—

Good	..	...	...	..	13,556
Structural defects	...	...	...	...	378
Dirty condition	...	...	...	...	1,668
	Total	...	...	...	<u>15,602</u>

The number of Vessels inspected during each of the last twenty years has been as follows :—

In 1879	...	...	...	...	2,410
„ 1880	..	...	...	...	2,997
„ 1881	...	...	...	...	3,309
„ 1882	...	...	...	...	6,623
„ 1883	...	...	...	...	11,572
„ 1884	...	...	...	...	12,078
„ 1885	...	...	...	...	13,530
„ 1886	...	...	...	...	12,139
„ 1887	...	...	...	...	13,045
„ 1888	...	...	...	...	12,819
„ 1889	...	...	...	...	13,566
„ 1890	...	...	...	...	12,018
„ 1891	...	...	...	...	11,533
„ 1892	...	...	...	...	9,582
„ 1893	...	...	...	...	11,327
„ 1894	...	..	...	...	12,043
„ 1895	...	...	...	...	11,757
„ 1896	...	...	...	...	12,348
„ 1897	...	...	...	...	15,351
„ 1898	...	...	...	...	15,602

The total number of arrivals in Port during the year, as stated by H.M.'s Customs, is 15,588* =

* From a return courteously furnished by Mr. Wm. R. Stave ey, Collector of H.M.' Customs.

The structural defects of Vessels observed include the following :—

	Cases.
Insufficient Ventilation	74
Iron Deck to Line with Wood	19
Paint Locker in bad position... ..	14
Defective Drainage	17
Defective Lighting	23
Defective Water Closets	31
Defective Water Closet Bulkheads	9
Forecastle Deck Leaking	34
Side Scuttles to re-fit	154
Forecastle Flooring Defective	3
Total	378

The peaks, forecastle, and water closets of the vessels specified under were found in dirty condition. Orders given to cleanse same were fully complied with.

British Steamers	788
„ Sailing Vessels	73
„ Fishing Vessels	483
Foreign Steamers	279
„ Sailing Vessels	45
Total	1,668

Total number of crews of vessels visited by the Inspectors	192,090
Total number of passengers of vessels visited by the Inspectors	28,159
Total number of emigrants arriving in the Tyne	485
Total	220,734

Vessels arriving Coastwise and inspected	7,633
Fishing vessels arriving Coastwise and inspected	2,764
Vessels arriving from Foreign Ports and inspected	5,205
	15,602

Special Cargoes Inspected.

Among the different cargoes examined by the Inspectors were the undermentioned :—

Description.	Rags.	Bones.	Onions.	Wheat.	Foreign and British Fish.	Pota- toes.	Fruit.	Total.
No. of Consign- ments examined }	39	1	7	130	2,764	21	56	3,018

Water-Boats and Water Supply to Ships in Port.

The water-boats, 28 in number, have been examined as usual, and the tanks found in good condition.

In 61 cases the *drinking water* of ships, which came from Ports infected, or suspected to be infected, with Cholera, has been changed, and the purification of the tanks has been seen to by the Inspector, acting under the direction of the Medical Officer of Health.

Advices as to Sickness

on shipboard, and other matters, continue to be received from and forwarded to the Health Departments of other British Port Sanitary Authorities.

Clothing and Bedding.

14 vessels and several lots of clothing or bedding have been **disinfected**. 633 beds have been burnt, and 13 lots of filthy clothing have been destroyed, on account of infection.

Passenger Steamers.

The Passenger Steamers arriving continue to be regularly visited and examined.

Fishing Boats.

The total arrival of fishing vessels at the Quay, North Shields, steam and sailing, is 13,231* (6,531 Trawlers and 6,700 Herring Boats), as compared with a total of 13,460 in the previous year. 483 of these, in foul condition, were cleansed and deodorized on notice from the Inspector. The rest were in good order.

Dead Dogs.

110 Dead Dogs have been removed from Dunston Foreshore. After disinfection, they were taken out to sea in R.T.C. Hoppers. Since dredging operations were commenced inside the staiths, this nuisance has abated considerably.

Foul Cattle Ships.

The Inspector reports that 31 Cattle Ships arrived in the Port direct with cattle, and 36 after having landed cattle elsewhere. They were cleansed under his supervision. The number reported in the previous year was 30.

Regulations.

Copies of Regulations issued have, as usual, been posted on all gangways, and delivered on board of vessels in the port.

Cholera, Yellow Fever, and Plague.

No cases occurred on board vessels arriving in this port during 1898.

From a return courteously furnished by Mr. McKenzie Quay Master, North Shields.

Smallpox Epidemic at Middlesbrough.

During the prevalence of Smallpox at the ports of Middlesbrough and Bilbao, all arrivals in the Tyne were medically inspected. Dr. Clay was appointed to take night duty, and extra launch hands were engaged for night work.

This work commenced on February 19th, and was discontinued on May 21st. During this period 182 vessels were boarded, and 2,282 men medically examined.

Legal Proceedings.—Prosecution of a Ships' Master.

On June 22nd, proceedings were taken under the Public Health Act (Secs. 125 and 126), against the master of the Bg. "Brodrone Clausen," for non-notification and unlawfully exposing one of his crew suffering from Smallpox. Mr. Holmes conducted the case for the Authority, and the defendant was fined 40s. and costs on both charges.

Floating Hospital.—New Administrative Block.

On June 8th, a deputation, consisting of the Chairman, Ald. Hindmarsh, the Clerk, and Medical Officer, proceeded to London to interview the Local Government Board with the view of gaining their sanction to a loan for a new administrative block on a separate pontoon for the Floating Hospital.

The deputation was received by Sir Richard Thorne Thorne, Medical Officer to the Board, and Mr. Munro, Assistant Secretary.

Sir Richard Thorne-Thorne stated that the Local Government Board would not sanction Smallpox being treated simultaneously with other diseases in the same hospital since the issue of their memorandum on the subject. Your Medical Officer urged that as it was a rare occurrence for Smallpox to be admitted and treated with other cases in the Floating Hospital also, that when it did occur the precaution of promptly vaccinating the other patients had, in every instance, proved successful, an exception in the case of a Floating Hospital might be made.

The Local Government Board, in withholding their sanction, uphold their principles on the treatment of Smallpox in isolation hospitals. In order to meet their views, the question of constructing a separate Smallpox Hospital is raised, and our position must be considered *de novo*.

W. EDMUND HARKER, M.D., B.Hr.,

Medical Officer.

Tynemouth,

January 25th, 1899.